

**CLAIMS**

- [c1] 1. A method for managing traffic channel use in a wireless communication system, comprising:
- establishing at least first and second communication connections in at least a first wireless communication device;
- establishing respective first and second idle periods for the first and second connections; and
- releasing a traffic channel associated with the first and second connections when both idle periods expire.
- [c2] 2. The method of Claim 1, further comprising resetting an idle period when a transmission or reception passes through the respective connection.
- [c3] 3. The method of Claim 1, wherein at least one idle period is set to a default value.
- [c4] 4. The method of Claim 1, wherein at least one idle period is defined by the associated connection or application.
- [c5] 5. The method of Claim 1, wherein the first idle period is not equal to the second idle period.
- [c6] 6. The method of Claim 1, wherein the connections are socket connections.
- [c7] 7. A wireless communication system, comprising:
- at least a first application running in a socket mode; and
- at least a second application running in a socket mode, the applications potentially requiring use of a common wireless traffic channel, the traffic channel being selectively allowed to go dormant in the absence of transmissions over the traffic channel.
- [c8] 8. The system of Claim 7, wherein the traffic channel is released when it goes dormant.

- [c9] 9. The system of Claim 7, wherein each socket mode is associated with a respective idle period, and the traffic channel goes dormant upon the expiration of at least one idle period.
- [c10] 10. The system of Claim 9, wherein the traffic channel goes dormant upon the expiration of both idle periods.
- [c11] 11. The system of Claim 10, wherein an idle period is reset when a transmission or reception passes through the respective socket.
- [c12] 12. The system of Claim 11, wherein at least one idle period is set to a default value.
- [c13] 13. The system of Claim 11, wherein at least one idle period is defined by the associated application.
- [c14] 14. The system of Claim 11, wherein the idle periods are not equal to each other.
- [c15] 15. The system of Claim 7, wherein the applications run on a wireless communication device.
- [c16] 16. A computer program product, comprising:  
means for associating at least a first idle period with a first connection;  
means for associating at least a second idle period with a second connection, a wireless traffic channel being establishable to both connections; and  
means for releasing the traffic channel when the idle periods expire.
- [c17] 17. The computer program product of Claim 16, wherein the connections are socket connections or packet connections.
- [c18] 18. The computer program product of Claim 17, further comprising means for resetting an idle period when a transmission or reception passes through the respective socket.

(1)  $\text{H}_2\text{O}$ ,  $\text{CO}_2$ ,  $\text{CH}_4$ ,  $\text{C}_2\text{H}_6$ ,  $\text{C}_3\text{H}_8$ ,  $\text{C}_4\text{H}_{10}$ ,  $\text{C}_5\text{H}_{12}$ ,  $\text{C}_6\text{H}_{14}$ ,  $\text{C}_7\text{H}_{16}$ ,  $\text{C}_8\text{H}_{18}$ ,  $\text{C}_9\text{H}_{20}$ ,  $\text{C}_{10}\text{H}_{22}$ ,  $\text{C}_{11}\text{H}_{24}$ ,  $\text{C}_{12}\text{H}_{26}$ ,  $\text{C}_{13}\text{H}_{28}$ ,  $\text{C}_{14}\text{H}_{30}$ ,  $\text{C}_{15}\text{H}_{32}$ ,  $\text{C}_{16}\text{H}_{34}$ ,  $\text{C}_{17}\text{H}_{36}$ ,  $\text{C}_{18}\text{H}_{38}$ ,  $\text{C}_{19}\text{H}_{40}$ ,  $\text{C}_{20}\text{H}_{42}$ ,  $\text{C}_{21}\text{H}_{44}$ ,  $\text{C}_{22}\text{H}_{46}$ ,  $\text{C}_{23}\text{H}_{48}$ ,  $\text{C}_{24}\text{H}_{50}$ ,  $\text{C}_{25}\text{H}_{52}$ ,  $\text{C}_{26}\text{H}_{54}$ ,  $\text{C}_{27}\text{H}_{56}$ ,  $\text{C}_{28}\text{H}_{58}$ ,  $\text{C}_{29}\text{H}_{60}$ ,  $\text{C}_{30}\text{H}_{62}$ ,  $\text{C}_{31}\text{H}_{64}$ ,  $\text{C}_{32}\text{H}_{66}$ ,  $\text{C}_{33}\text{H}_{68}$ ,  $\text{C}_{34}\text{H}_{70}$ ,  $\text{C}_{35}\text{H}_{72}$ ,  $\text{C}_{36}\text{H}_{74}$ ,  $\text{C}_{37}\text{H}_{76}$ ,  $\text{C}_{38}\text{H}_{78}$ ,  $\text{C}_{39}\text{H}_{80}$ ,  $\text{C}_{40}\text{H}_{82}$ ,  $\text{C}_{41}\text{H}_{84}$ ,  $\text{C}_{42}\text{H}_{86}$ ,  $\text{C}_{43}\text{H}_{88}$ ,  $\text{C}_{44}\text{H}_{90}$ ,  $\text{C}_{45}\text{H}_{92}$ ,  $\text{C}_{46}\text{H}_{94}$ ,  $\text{C}_{47}\text{H}_{96}$ ,  $\text{C}_{48}\text{H}_{98}$ ,  $\text{C}_{49}\text{H}_{100}$ ,  $\text{C}_{50}\text{H}_{102}$ ,  $\text{C}_{51}\text{H}_{104}$ ,  $\text{C}_{52}\text{H}_{106}$ ,  $\text{C}_{53}\text{H}_{108}$ ,  $\text{C}_{54}\text{H}_{110}$ ,  $\text{C}_{55}\text{H}_{112}$ ,  $\text{C}_{56}\text{H}_{114}$ ,  $\text{C}_{57}\text{H}_{116}$ ,  $\text{C}_{58}\text{H}_{118}$ ,  $\text{C}_{59}\text{H}_{120}$ ,  $\text{C}_{60}\text{H}_{122}$ ,  $\text{C}_{61}\text{H}_{124}$ ,  $\text{C}_{62}\text{H}_{126}$ ,  $\text{C}_{63}\text{H}_{128}$ ,  $\text{C}_{64}\text{H}_{130}$ ,  $\text{C}_{65}\text{H}_{132}$ ,  $\text{C}_{66}\text{H}_{134}$ ,  $\text{C}_{67}\text{H}_{136}$ ,  $\text{C}_{68}\text{H}_{138}$ ,  $\text{C}_{69}\text{H}_{140}$ ,  $\text{C}_{70}\text{H}_{142}$ ,  $\text{C}_{71}\text{H}_{144}$ ,  $\text{C}_{72}\text{H}_{146}$ ,  $\text{C}_{73}\text{H}_{148}$ ,  $\text{C}_{74}\text{H}_{150}$ ,  $\text{C}_{75}\text{H}_{152}$ ,  $\text{C}_{76}\text{H}_{154}$ ,  $\text{C}_{77}\text{H}_{156}$ ,  $\text{C}_{78}\text{H}_{158}$ ,  $\text{C}_{79}\text{H}_{160}$ ,  $\text{C}_{80}\text{H}_{162}$ ,  $\text{C}_{81}\text{H}_{164}$ ,  $\text{C}_{82}\text{H}_{166}$ ,  $\text{C}_{83}\text{H}_{168}$ ,  $\text{C}_{84}\text{H}_{170}$ ,  $\text{C}_{85}\text{H}_{172}$ ,  $\text{C}_{86}\text{H}_{174}$ ,  $\text{C}_{87}\text{H}_{176}$ ,  $\text{C}_{88}\text{H}_{178}$ ,  $\text{C}_{89}\text{H}_{180}$ ,  $\text{C}_{90}\text{H}_{182}$ ,  $\text{C}_{91}\text{H}_{184}$ ,  $\text{C}_{92}\text{H}_{186}$ ,  $\text{C}_{93}\text{H}_{188}$ ,  $\text{C}_{94}\text{H}_{190}$ ,  $\text{C}_{95}\text{H}_{192}$ ,  $\text{C}_{96}\text{H}_{194}$ ,  $\text{C}_{97}\text{H}_{196}$ ,  $\text{C}_{98}\text{H}_{198}$ ,  $\text{C}_{99}\text{H}_{200}$ ,  $\text{C}_{100}\text{H}_{202}$ .